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File: DWPI

May 31, 1988

DERWENT-ACC-NO: 1988-188467

DERWENT-WEEK: 198827

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TITLE: Mfg. condensn polymerisable macro-monomer - by polymerising monomer contg. radical polymerisable vinyl! gps. in presence of chain transfer agent having 2 alkyl ester gps.

PATENT-ASSIGNEE:

ASSIGNEE	CODE
TOA GOSEI CHEM IND LTD	TOAG

PRIORITY-DATA: 1986JP-0272984 (November 18, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 63128002 A	May 31, 1988		007	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 63128002A	November 18, 1986	1986JP-0272984	

INT-CL (IPC): C08F 2/00; C08G 63/16

ABSTRACTED-PUB-NO: JP 63128002A

BASIC-ABSTRACT:

Mfg. a condensn. polymerisable macromonomer comprises radical-polymerising a monomer contg. radical polymerisable vinyl gps. in the presence of a chain transfer agent having two alkyl ester gps.

Specifically, the polymerisation is carried out by soln., bulk, suspension and emulsion polymerisation. The vinyl polymerisable monomer used includes vinyl acetate, styrene, vinyl pyridine, etc. The chain transfer agent used includes dialkyl mercaptomalonate, dialkyl thiomalates, dialkyl mercaptophthalates. The number average mol. wt. of the macromonomer is pref. 1000-20,000, esp. 2000-15,000.

ADVANTAGE - The polymerisable macromonomer is simply mfd. in high purity. The mean mol. wt. of the macromonomer is controlled easily. If the macromonomer is condensn. polymerised with a dicarboxylic acid and a diol, a graft polymer with high purity and improved properties e.g. dimensional stability without impurities, e.g., carboxyl and hydroxyl gps., is easily obtnd.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: MANUFACTURE CONDENSATION POLYMERISE MACRO MONOMER POLYMERISE MONOMER CONTAIN RADICAL POLYMERISE POLYVINYL GROUP PRESENCE CHAIN TRANSFER AGENT ALKYL ESTER GROUP

DERWENT-CLASS: A14 A60 E14 E17

CPI-CODES: A02-B; A10-C01; E10-E03; E10-G02A; E10-G02B;

CHEMICAL-CODES:**Chemical Indexing M3 *01*****Fragmentation Code**

G014 G015 G100 H4 H494 H498 H9 J0 J012 J2
J232 J272 M210 M211 M212 M213 M214 M215 M216 M220
M221 M222 M223 M224 M231 M232 M233 M272 M282 M311
M312 M320 M321 M332 M343 M349 M381 M391 M414 M416
M510 M520 M531 M540 M620 M781 M903 M904 Q121

Markush Compounds

198827-E0001-U

Registry Numbers

3102R 1678D

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0005 0007 0008 0203 0206 0226 0304 0787 0892 1291 1405 1999 2014 2022 2071 2076
2082 2083 2085 2093 2149 2150 2151 2177 2197 2198 2207 2370 2392 2393 2585 2595 2604 2676

Multipunch Codes: 014 02& 030 031 035 038 05- 055 056 066 067 099 143 144 155 231 239 250 297
31-344 345 347 348 355 357 359 385 402 413 414 516 523 528 541 542 546 575 583 589 688 724

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1988-084364